Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/22/2022 08:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124863	-1	1.40	124764	1.42
Blue	F	SSC	125000	125037	0	2.83	125699	2.85
Blue	E	FITC	15860	15353	-4	2.24	375	14.20
Blue	D	PE	27718	27354	-2	1.69	636	10.40
Blue	B	PerCP-Cy5-5	38046	37472	-2	2.98	1023	15.22
Blue	A	PE-Cy7	26092	26034	-1	4.89	509	30.99
Red	C	APC	49104	48612	-2	2.60	1708	11.15
Red	A	APC-Cy7	28201	27451	-3	2.98	728	12.33
Violet	B	V450	9904	9478	-5	3.80	528	11.42
Violet	A	V500	39004	38682	-1	3.40	1011	9.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24049	1.90	568	-1	N/A	N/A	Pass
Blue	F	SSC	55955	1.50	525	-3	N/A	N/A	Pass
Blue	E	FITC	59	54.24	494	3	0.0410	52	Pass
Blue	D	PE	123	37.93	500	4	0.3913	273	Pass
Blue	B	PerCP-Cy5-5	139	44.33	593	4	0.0185	32	Pass
Blue	A	PE-Cy7	63	94.35	636	4	0.0210	0	Pass
Red	C	APC	330	25.52	579	-2	0.0293	131	Pass
Red	A	APC-Cy7	96	42.62	551	-4	0.0061	1096	Pass
Violet	B	V450	85	48.89	473	15	0.0611	2241	Pass
Violet	A	V500	126	33.89	485	16	0.0242	1382	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.95	-31.61	0.91
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.64	13.90 - 20.86	N/A	N/A	30.05	30.30	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 13225

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments